



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
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Washington, D.C. 20231

08/046.335

SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO
08/046.335	04/12/93	BOWKER	

26M2/0627

TUNG, B

EXAMINER

PETER I. LIPPMAN  
ASHEN & LIPPMAN  
4385 OCEAN VIEW BOULEVARD  
MONTROSE, CALIFORNIA 91020

2615

ART UNIT PAPER NUMBER

06/27/95

DATE MAILED:

### NOTICE OF ALLOWABILITY

#### PART I.

1. ☒ This communication is responsive to the supplemental amendment sent by fax (6-19-95)
2. ☒ All the claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice Of Allowance And Issue Fee Due or other appropriate communication will be sent in due course.
3. ☒ The allowed claims are 1, 10, 19, 28, 33-38, 40, 41, 48-50, 55, 56, 62, 64-72, 74-93
4. ☐ The drawings filed on \_\_\_\_\_ are acceptable.
5. ☐ Acknowledgment is made of the claim for priority under 35 U.S.C. 119. The certified copy has [ ] been received. [ ] not been received. [ ] been filed in parent application Serial No. \_\_\_\_\_ filed on \_\_\_\_\_
6. ☒ Note the attached Examiner's Amendment.
7. ☒ Note the attached Examiner Interview Summary Record, PTOL-413. (2)
8. ☐ Note the attached Examiner's Statement of Reasons for Allowance.
9. ☐ Note the attached NOTICE OF REFERENCES CITED, PTO-892.
10. ☐ Note the attached INFORMATION DISCLOSURE CITATION, PTO-1449.

#### PART II.

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE THREE MONTHS FROM THE "DATE MAILED" indicated on this form. Failure to timely comply will result in the ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

1. ☐ Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.
2. ☒ APPLICANT MUST MAKE THE DRAWING CHANGES INDICATED BELOW IN THE MANNER SET FORTH ON THE REVERSE SIDE OF THIS PAPER.
  - a. ☒ Drawing informalities are indicated on the NOTICE RE PATENT DRAWINGS, PTO-948, attached ~~hereto~~ to Paper No. 3. CORRECTION IS REQUIRED.
  - b. ☐ The proposed drawing correction filed on \_\_\_\_\_ has been approved by the examiner. CORRECTION IS REQUIRED.
  - c. ☐ Approved drawing corrections are described by the examiner in the attached EXAMINER'S AMENDMENT. CORRECTION IS REQUIRED.
  - d. ☒ Formal drawings are now REQUIRED.

Any response to this letter should include in the upper right hand corner, the following information from the NOTICE OF ALLOWANCE AND ISSUE FEE DUE: ISSUE BATCH NUMBER, DATE OF THE NOTICE OF ALLOWANCE, AND SERIAL NUMBER.

#### Attachments:

- ☒ Examiner's Amendment
- ☒ Examiner Interview Summary Record, PTOL-413 (2)
- Reasons for Allowance
- Notice of References Cited, PTO-892
- Information Disclosure Citation, PTO-1449
- Notice of Informal Application, PTO-152
- Notice re Patent Drawings, PTO-948
- Listing of Bonded Draftsmen
- Other

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**Examiner's Amendment**

1. An Examiner's Amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 C.F.R. § 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the Issue Fee.

2. Authorization for this Examiner's Amendment was given in a telephone interview with Peter I. Lippman (22,835) on 6-19-95.

3. Entry of the Proposed Amendment:

The supplemental amendment received by facsimile on 6-19-95 has been officially entered as authorized by Mr. Lippman in the 6-19-95 telephone interview.

4. In the Specification:

Page 7, line 17, "FIG. 3(a) - 3(c)" has been changed to --FIG. 3--.

5. In the Claims:

(1) Claim 33, line 47, "images" has been changed to --images,--.

(2) Claim 33, line 47, before "to", --wherein said sequence

D/ of electronic images can be used- has been inserted.

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(3) Claim 33, line 48, "images," has been changed to  
--images--.

(4) Claim 33, line 49, "and for visually displaying the  
sequence of composite optical" has been deleted.

(5) Claim 33, line 50, "images" has been changed to  
--which can be displayed--.

(6) Claim 64, line 48, "images" has been changed to  
--images,--.

(7) Claim 64, line 48, before "to", ~~--wherein said sequence~~  
of electronic images can be used/- has been inserted.

(8) Claim 64, line 50, "and for visually displaying the  
sequence of composite optical" has been deleted.

(9) Claim 64, line 51, "images" has been changed to  
--which can be displayed--.

(10) Claim 80, line 3, "vertical" has been changed to  
--a vertical line--.

(11) Claim 85, line 3, "vertical" has been changed to  
--a vertical line--.

(12) Claim 90, line 3, "vertical" has been changed to  
--a vertical line--.

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5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bryan S. Tung whose telephone number is (703) 308-6614.

6. Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-4700.

Bryan S. Tung/bst

6-20-95

  
TOMMY P. CHIN  
SUPERVISORY PATENT EXAMINER  
GROUP 2600



**UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office**

Address: Box ISSUE FEE  
COMMISSIONER OF PATENTS AND TRADEMARKS  
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26M2/0626

PETER I. LIPPHAN  
ASHEN & LIPPHAN  
4385 OCEAN VIEW BOULEVARD  
MONTROSE, CALIFORNIA 91020

**NOTICE OF ALLOWANCE  
AND ISSUE FEE DUE**

☐ Note attached communication from the Examiner

☐ This notice is issued in view of applicant's communication filed \_\_\_\_\_

SERIES CODE/SERIAL NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
08/046,335	04/12/92	047	TUNG, B	2615 06/27/95
First Named Applicant	BOMKEP KENT			

TITLE OF INVENTION  
UNDERWATER IMAGING IN REAL TIME USING SUBSTANTIALLY DIRECT DEPTH-TO-DISPLAY-HEIGHT LIDAR STREAK MAPPING (AS AMENDED)

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEE DUE	DATE DUE
2 5236-101C	348-031 000	M94	UTILITY	YES	\$605.00	09/27/95

**THE APPLICATION IDENTIFIES ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT.  
PROSECUTION ON THE MERITS IS CLOSED.**

**THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.**

**HOW TO RESPOND TO THIS NOTICE:**

I. Review the SMALL ENTITY Status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the patent and Trademark Office of the change in status, or
- B. If the Status is the same, pay the FEE DUE shown above.

If the SMALL ENTITY is shown as NO:

- A. Pay FEE DUE shown above, or
- B. File verified statement of Small Entity Status before, or with, pay of 1/2 the FEE DUE shown above.

II. Part B of this notice should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B should be completed and returned. If you are charging the ISSUE FEE to your deposit account, Part C of this notice should also be completed and returned.

III. All communications regarding this application must give series code (or filing date), serial number and batch number. Please direct all communication prior to issuance to Box ISSUE FEE unless advised to contrary.

**IMPORTANT REMINDER: Patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.**